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- (i) administering an effective amount of human flt3-L to the patient to increase the number of circulating progenitor cells or stem cells prior to collection;
 - (ii) expanding such collected [the] progenitor cells or stem cells *ex vivo* by contacting them with an effective amount of human flt3-L; and
 - (iii) administering an effective amount of human flt3-L to the patient to facilitate the engraftment of the transplanted progenitor or stem cells in the patient.

Please add the following new claims:

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49. (New) A method for stimulating the proliferation of hematopoietic stem or progenitor cells in a patient in need thereof, comprising administering a hematopoietic stem or progenitor cell-stimulating amount of a human flt3-L polypeptide, and optionally, a hematopoietic stem or progenitor cell-stimulating amount of at least one growth factor selected from the group consisting of CSF-1, GM-CSF, SF, G-CSF, EPO, IL-1, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, GM-CSF/IL-3 fusion proteins, LIF and FGF.

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50. (New) A method for stimulating the proliferation of hematopoietic stem or progenitor cells in a patient having symptoms of myelodysplastic syndrome, comprising administering a hematopoietic stem or progenitor cell-stimulating amount of a human flt3-L polypeptide, and optionally, a hematopoietic stem or progenitor cell-stimulating amount of at least one growth factor selected from the group consisting of CSF-1, GM-CSF, SF, G-CSF, EPO, IL-1, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, GM-CSF/IL-3 fusion proteins, LIF and FGF.

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51. (New) A method for stimulating the proliferation of hematopoietic stem or progenitor cells in a patient having symptoms of anemia, comprising administering a hematopoietic stem or progenitor cell-stimulating amount of a human flt3-L polypeptide, and optionally, a hematopoietic stem or progenitor cell-stimulating amount of at least one growth factor selected from the group consisting of CSF-1, GM-CSF, SF, G-CSF, EPO, IL-1, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, GM-CSF/IL-3 fusion proteins, LIF and FGF.

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52. (New) A method for stimulating the proliferation of hematopoietic stem or progenitor cells in a patient having symptoms of acquired immune deficiency syndrome, comprising administering a hematopoietic stem or progenitor cell-stimulating amount of a human flt3-L polypeptide, and optionally, a hematopoietic stem or progenitor cell-stimulating amount of at least one growth factor selected from